

METHOD AND SYSTEM FOR REVERSE AND RE-ENGINEERING PARTS

Abstract of Disclosure

A method of re-engineering a part includes generating a parametric master model for the part from an editable geometry for the part and generating a manufacturing context model from a design master model. The design master model includes the parametric master model, and the manufacturing context model includes a number of tooling features. The method further includes creating a tooling master model from the manufacturing context model. The tooling master model includes a tooling geometry for the part. A system for re-engineering a part includes a part design master model module configured to generate the parametric master model from the editable geometry and a tooling master model module configured to receive the parametric master model, to generate the manufacturing context model from the parametric master model, and to create the tooling master model from the manufacturing context model.

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